

Contribution to the Phenomenological Theory of Paramagnetic Relaxation in parallel Fields.

56-7-34/66

of the paramagneticum has to be determined. For this purpose the authors use an expression for the modification velocity of magnetization and the first principal theory of the thermodynamics for spin systems. Up to now the authors have not been able to apply the results found here to the solution of any concrets problems of paramagnetic relaxation.  
(No Illustrations)

ASSOCIATION: Molotow University (Molotovskiy universitet.- Russian)  
PRESENTED BY: -  
SUBMITTED: 25.1.1957  
AVAILABLE: Library of Congress.

CARD 2/2

BELOUSOVA, N. K.

AUTHOR: Belousova, N. K. 96-2-15/52

TITLE: Thermal Conductivity of the Lattice in  
the Phenomenological Theory of Paramagnetic Relaxation (Ob uchete  
teploprovodnosti reshetki v fenomenologicheskoy teorii para-  
magnitnoy relaksatsii)

PERIODICAL: Zhurnal Eksperimental'noy i Teoreticheskoy Fiziki, 1958,  
Vol 34, Nr 2, pp 371-378 (USSR)

ABSTRACT: This work examines the lattice relaxation together with the  
spin-lattice relaxation and with the spin relaxation. Here  
the spin relaxation is considered only within the framework  
of the theory by Shaposhnikov (reference 1), i.e. without the  
completions to this theory which were lately suggested by N.  
K. Belousova (reference 4). Thus the author gives to the theory  
by Shaposhnikov an analogous enlargement as Einstein did to  
the theory by Casimir (Kazimir) and Du Pre (Dyu Pre). First  
the author investigates the problem whether in a complete theory  
of paramagnetic relaxation the relaxation within the spin  
system (which is caused by the finiteness of the thermal con-  
ductivity of this system) must be considered as well. The  
thermal conductivity of the spin system is unessential in the

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in the Phenomenological Theory of Paramagnetic Relaxation

entire interval of frequencies which are used for the study of the paramagnetic relaxation. This is valid the more in the presence of an external electromagnetic field and in case of higher temperatures. The author examines this problem for a ball-shaped paramagnetic test piece, on the surface of which a constant temperature is kept. On this occasion a solid, non-conductive paramagnetic substance with pure spin magnetism, which in paramagnetic view is isotropic, is examined. The equations of this system, which consider the additional thermal conductivity of the lattice, and the corresponding initial and boundary conditions are written down. The system consisting of these equations is solved here by means of the Laplace transformation. The solution which corresponds with the operation, that has become steady, was used for the determination of the complex magnetic susceptibility as a function of the radial component. The so obtained term for the susceptibility is here written down explicitly. Because the general formula for the complex magnetic susceptibility is rather complicated, 2 limiting cases are considered. The thermal conductivity of the lattice is essential only in case of very low temperatures (helium-temperature and temperatures close to that). In case

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of the here examined frequencies the spin lattice interaction plays the main role. The second and the third term of the corresponding formula express the influence of the spin relaxation and of the lattice relaxation. At increasing temperature and increasing frequencies the influence of the spin relaxation grows and the importance of the lattice relaxation decreases. At certain temperatures their influence on the magnetic susceptibility must become equal. Finally by means of the here obtained results some experiments at helium temperatures are examined qualitatively. There are 24 references, 10 of which are Slavic.

ASSOCIATION: **Groznny Petroleum Institute** (Groznenskiy neftyanoy institut)

SUBMITTED: April 19, 1957 (initially), and September 30, 1957, after revision

AVAILABLE: Library of Congress

Card 3/3      1. Lattices-Thermal conductivity    2. Paramagnetic relaxation-Theory  
                  3. Paramagnetic spin relaxation-Theory

BELOUSOVA, N. K.: Master Phys-Math Sci (diss) --"Some problems in the phenomenological theory of paramagnetic relaxation in parallel fields". Perm', 1959.  
8 pp (Min Higher Educ USSR, Perm' State U im A. N. Gert'kiv), 150 copies  
(KL, No 13, 1959, 99)

24,7900

S/058/61/000/A10/046/100  
A001/A101

AUTHOR: Belousova, N.K.

TITLE: On lattice paramagnetic relaxation in parallel fields

PERIODICAL: Referativnyy zhurnal. Fizika, no.10, 1961, 164, abstract 10V361 (V sb. "Paramagnitn. rezonans", Kazan', Kazansk. un-t, 1960, 100-104)

TEXT: The author considers lattice paramagnetic relaxation caused by the finite heat conductivity of the lattice. The times of spin relaxation, spin-lattice and lattice relaxations are calculated and compared in adiabatic and isothermal approximations. It is shown that at helium temperatures and those close to them, lattice relaxation is essential side-by-side with spin-lattice relaxation; and that spin relaxation is un-essential in most cases under conditions when lattice relaxation is essential.

V. Avvakumov

[Abstracter's note: Complete translation]

Card 1/1

VB

BANK, I.L.; RABKINA, S.A.; VASILENKO, Ye.A.; BELOUSOVA, N.M.

Water-borne outbreak of dysentery. Zhur.mikrobiol., epid.i  
immun. 32 no.12:118 D '61. (MIRA 15:11)

1. Chelyabinskogo meditsinskogo instituta i Chelyabinskoy  
gorodskoy sanitarno-epidemiologicheskoy stantsii.  
(DISENTERY)

Belousova, N. N.

USSR /Chemical Technology, Chemical Products  
and Their Application

7-102

Food industry

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 33049

Author : Gibshman M. R., Belousova N. N.

Title : Occurrence of Bacteriophages of Lactic Acid  
Streptococci at Cheese Manufacturing Enterprises

Orig Pub: Mikrobiologiya, 1956, 25, No 6, 706-712

Abstract: An investigation was made of 36 mechanized and  
not mechanized cheese factories, 6 milk collec-  
tion centers, 6 MTF, 60 specimens of soil and 12  
green meadow plants. The bacteriophage was en-  
countered more frequently at cheese factories  
than at milk collection centers and MFT, and more  
often at factories which produce small cheeses

Card 1/2

USSR /Chemical Technology. Chemical Products  
and Their Application

I-32

Food industry

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 33049

than at those that produce large ones, where the conditions are less favorable for the propagation of mesophylic streptococci and their phages. Thorough daily disinfection reduces substantially the degree of contamination of the factories with phages. Least infected with phages of lactic acid streptococci are the MTF. The phages are rarely encountered in soil of collective farms and have not been found on green meadow plants.

all-Union Sci. Res. Inst. Butter & Cheese  
Industry. Uglich.  
Card 2/2

BELOUSOVA, N.N.

USSR/Virology - Bacterial Viruses (Phages)

E-1

Abs Jour : Ref Zhur - Biol., No 4, 1958, 14527

Author : Gibshman, M.R., Belousova, N.N.

Inst : -

Title : Prevalence and Properties of Lactic Acid Streptococci  
Bacteriophages.

Orig Pub : Sb. ref. nauchn. rabot. Vses. n.-i. in-t maslodel'n. i  
syrodel'n. prom-sti, 1957, No 4, 58-62

Abstract : No abstract.

Card 1/1

USSR / Microbiology. Industrial Microbiology.

F-3

Abs Jour : Ref Zhur - Biol., No 20, 1958, No. 90798

Author : Gibshman, M. R.; Kozhevnikov, I. N.; Belousova, N. N.  
Inst : All-Union Scientific Institute for the Milk and Cheese  
Producing Industries

Title : Investigation of Biological Methods for the Control of  
Early Fermentation of Cheese

Orig Pub : Sb. ref. nauchn. rabot. Vses. n.-i. in-t maslodel'n. i  
syrodel'n. prom-sti, 1957m vyp. 4, 39-46

Abstract : For control of cheese fermentation caused by intestinal  
bacilli it is recommended that strains of lactic acid  
streptococci, which suppress the intestinal bacillus but  
do not inhibit development of the lactic acid bacteria,  
be introduced into the composition of the ferment. Strains  
of Streptococcus lactis and S. diacetilactis should be  
resistant to bacteriophage and possess equal energy for

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USSR / Microbiology. Industrial Microbiology.

F-3

Abs Jour : Ref Zhur - Biol., No 20, 1958, No. 90798

acid formation. It is necessary to exclude from the make-up of the ferment lactic acid streptococci, which suppress the development of lactic acid bacteria, and streptococci which are sensitive to nizine. The ferment should contain active acid formers which can secure rapid development of lactic acid formation when the cheese first begins to ripen. A compulsory condition in cheese production is a maximal organic strike at the intestinal bacilli. -- V. M. Bogdanov

Card 2/2

USSR/Industrial Microbiology.

F

Abs Jour : Ref Zhur Biol., No 1, 1959, 750

Author : Gibshman, M.R., Belousova, N.N.

Inst :

Title : Selection of Bacterial Ferments for Dutch Cheese

Orig Pub : Dokl. Vses. konferentsii po molchn. delu. M., Sel'khozgiz,  
1958, 356-361

Abstract : No abstract.

Card 1/1

- 15 -

BELOUSOVA, N.N.; MURASHINA, O.I., red.; TARASOVA, N.M., tekhn.red.

[Bacteriophage in the dairy industry] Bakteriofag v molochnoi promyshlennosti. Moskva, Pishchepromisdat, 1959. 57 p. (Biuro tekhnicheskoi informatsii i propagandy, no.3 (13)) (MIRA 12:10)  
(Bacteriophage) (Dairy bacteriology)

BELOUSOVA, N.N.

[Methods for the control of micro-organisms in the making of dairy products; a survey] Sposoby vozdeistviia na mikroorganizmy v protsessakh proizvodstva molochnykh produktov; obzor. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963. 33 p.

(HTKA 17:8)

BELOUSOVA, N.N.

[Butyric acid bacteria in the production of cheese] Mag.  
ljanokislye bakterii v proizvodstve syra. Moskva,  
TSentr. inst. nauchno-tekhn. informatsii pishchevoy  
promyshl., 1963. 16 p. (MIHA 10;8)

BELOUSOVA, N.N.

[Microbiological processes in large-size cheeses] O mikro-  
biologicheskikh protsessakh v krupnykh syrakh. Moskva,  
TSentr. in-t nauchno-tehn. informatsii pishchevoi promyshl.  
1963. 19 p.  
(MIRA 17:8)

RELOUSCOVA, N. N.

[Heat resistant and thermophilic bacteria in the production  
of milk and milk products] Teplostoikie i termofil'nye bak-  
terii v proizvodstve moloka i molochnykh produktov. Moskva,  
TSentr. inst naucho-tehn. informatsii pishchevol promyshl.,  
1964. 35 p.  
(MIKA 17:11)

BELOUSOVA, N.V.; LEBEDEV, V.L.

Disruption in the tracking of an automatic frequency control system. Radiotekhnika 18 no.10:35-42 0 '63. (MIRA 16:12)

1. Deystvitel'nyy chlen Nauchno-tekhnicheskogo obshchestva radiotekhniki i elektrosvyazi im. A.S.Popova.

BELOUSOVA, N.V.

Passage of signal and noise through a frequency detector.  
Izv.vys.ucheb.zav.; radiotekh. 8 no.4:504-508 Jl-Ag '65.

1. Submitted October 12, 1964.

(MIRA 18:11)

Belousova, O.I.

DOMSHIAK, M.P.; IVANOV, I.I.; BELOUSOVA, O.I.; YAKOVLEV, V.G.

Biological radiation protection in experimental radiotherapy of tumors. Med.-rad. 1 no. 1:47-52 My-Je '57. (MLRA 10:10)  
(RADIATION PROTECTION, exper.)

by cysteine & sodium cyanate in radiother. of exper. tumors in rats  
(CYSTEINE, eff.)

in radiation protection in radiother. of exper. tumors in rats, with sodium cyanate  
(CYANATE, eff.)

sodium cyanate in radiation protection in radiother. of exper. tumors in rats, with cysteine

BALOUSOVA, O.I.; GRABOVINKO, E.K.

Use of vitamin B<sub>12</sub> and B<sub>6</sub> under repeated x irradiation. Med.rad. 4  
no.10f41-46 0 '59. (MIRA 13:2)  
(RADIATION INJURY exper.)  
(VITAMIN B<sub>6</sub> pharmacol.)  
(VITAMIN B<sub>12</sub> pharmacol.)

BELOUSOVA, O.I.

Results of the use of folic acid in subacute radiation injury  
caused by the chronic action of roentgen rays. Med. rad. 5 no.12;  
75-77 '60, (MIRA 14:3)  
(X RAYS—PHYSIOLOGICAL EFFECT) (FOLIC ACID)

MIKHALOVSKIY, Arseniy Grigor'yevich [Mikhailov's'kyi, A.H.], doktor  
sel'khoz. nauk; LISOCOROV, Sergey Dmitriyevich, [Lysohorov,  
S.D.], doktor sel'khoz. nauk; BELOUSOVA, O.M., red.  
[Farming systems] Systemy zemlerobstva. Kyiv, Dernhsil'hospvy-  
dav URSR, 1962. 77 p. (MIRA 16:2)  
(Ukraine--Agriculture)

KIVAK, Grigorij Stepanovich [Kyiak, H.S.], prof., doktor sel'khoz.  
nauk; BELOUSOVA, O.M. [Bieloussova, O.M.], red.

[Plant growing] Roslynnytstvo. Kyiv, Urozhai, 1964. 559 p.  
(MIRA 17:11)

ROMANENKO, Il'ya Nikonorovich, prof.; BELOUSOVA, O.M., red.;  
YEROSHENKO, T.G., tekhn. red.

[Economic efficiency of intensive farming systems] Ekonichna efektyvnist' intensivnykh system zemlerebatva.  
Kyiv, Derzhsil'hospvydav URSR, 1963. 44 p. (MIRA 17:3)

1. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Romanenko).

VASIL'YEV, Vadim Petrovich [Vasyl'iev, V.P.], prof.; BELOUSOVA,  
O.M., red.

[Chemical control of pests] Khimichni zasoby borot'by z  
shkidnykamy. Kyiv, Derzhsil'hospvydav URSR, 1964. 38 p.  
(MIRA 17:4)

KALININ, Fedor Leont'yevich, prof.; BELOUSOVA, O.M. [Bieloussova, O.M.],  
red.; NEMCHENKO, I.Yu., tekhn. red.

[Plant growth regulators] Regulyatory rostu roslin. Kyiv,  
Derzhsil'hospvydav URSR, 1964. 47 p. (MIRA 17:3)

MOLOSTOV, Arkadiy Savel'yevich, prof.; BELOUSOVA, O.M., red.

[Elements of variational statistics] Elementy variatsionnoi statistiki. Kiev, Urozhai, 1965. 180 p.  
(MIRA 18:5)

SHKVARUK, Nikolay Matveyevich[Shkvaruk, M.M.], doktor sel'khoz.  
nauk, prof.; DELEMENCHUK, Nikoley Ilich[Delemenchuk,  
M.I.], kand. sel'khoz. nauk, dots.; BELOUSOVA, O.F.,  
red.

[Soil science] Hruntoznavstvo. Kyiv, Urozhai, 1965. 380 p.  
(VIRA 10, 1)  
i. Umanskiy sel'skokhozyaystvennyy institut (for Shkvaruk,  
Delemenchuk).

BELOUSOVA, O. N.

KOZERENKO, V.N.; BELOUSOVA, O.N.

Age correlation of intrusive complexes in the southeastern region  
of eastern Transbaikalia. Nauk. zap. L'viv.un. 31:164-184 '54,  
[i.e. '55]. (Transbaikalia--Rocks, Igneous) (MLRA 10:3)

BELOUSOVA, Ol'ga Nikolayevna; GUSEL'NIKOV, I.I., kand. geol.-miner.  
nauk, dots., otv. red.; BABIKOVA, V.P., tekhn. red.

[Determining plagioclases by the zonal method] Opredelenie  
plagioklazov zonal'nym metodom; rukovodstvo k prakticheskim  
zaniatiam po federovskomu metodu dlia studentov geologoraz-  
vedochnoi spetsial'nosti. Moskva, Rosvuzizdat, 1962. 22 p.  
(MIRA 17:1)

BELOUSOVA, R.V.

Ocular complications during disulfane therapy. Vest.oft. 30 no.2:  
42-43 Mar-Apr 1951.  
(CIML 20:9)

1. Candidate Medical Sciences. 2. Of the Eye Division First Railroad Hospital of Stalin Railroad, Dnepropetrovsk.

Belousova. S.M.

KOPLEVICH, E.A., avtor konstruktsii; SHULESHKO, I.S., inzhener; YERMOLOV,  
G.A., kandidat tekhnicheskikh nauk; BELOUSOVA, S.M., inzhener.

Small ChMM-450 carding machine. Tekst. prom. 17 no. 7:22-29 J1 '57.  
(NIRA 10r9)

1. Tsentral'naya nauchno-issledovatel'skaya laboratoriya (for  
Shuleshko).

(Carding machines)

BELOUSOVA, S.M., starshiy nauchnyy sotrudnik; ASRIYAN, K.S., starshiy  
nauchnyy sotrudnik

Studying the new drafting devices of the drawing frame. Tekst.prom.  
21 no.5:24-27 My '61. (MIRA 15:1)  
(Spinning machinery)

BELOUSOVA, T. A.

"Treatment of Typhoid Fever With Syntomycin," Tezisy Dokladov 11-iy Nauchnoy Studencheskoy Konferentsii Voronezhskogo Gosudarstvennogo Meditsinskogo Instituta (Theses of Reports Presented at the 11th Scientific Students' Conference of the Voronezh State Medical Institute), Voronezh, 1952, p 37.

MAL'TSEV, P.V.; BELOUSOVA, T.K.

Manifestations of hepatic rickets in an adolescent with liver cirrhosis. Pediatrilia 42 no.6:69-71 Je'63 (MIRA 17:1)

1. Iz kafedry detskikh bolezney ( zav. - prof. V.P.Bisyarina) Omskogo meditsinskogo instituta imeni M.I.Kalinina.

BELOUSOVA, T.T.

BELOUSOVA, T.T.

Analysis of some systems used in the automatic control of machine tools. Sbor.nauch.rab. Mekh.inst. no.3:178-196 '52. (MLRA 8:3)  
(Automatic control) (Machine tools)

BELLOSOVA, T.T.

Analyzing the stability of some automatic systems used for  
the control of machine tools. Sbor,nauch,rab. MIPI no.7:  
25-40 '54.

(MLRA 10f2)

(Servomechanisms) (Machine tools)

~~BELOUSOKA T.T.~~

Automatic regulation of metal strip tightening in cold rolling  
mills. Sbor.nauch.rab. MIFI no.7:41-63 '54. (MLRA 10:2)

(Rolling mills) (Servomechanisms)

BELOUSOVA, T.T.; FONAREV, S.F.

Selecting materials for open gear transmissions operating without  
lubrication in a corrosive medium. Metod.isp.det.i mat.mash.i  
prib. no.l:17-28 '61. (MIRA 15:4)  
(Gearing)

S/756/62/000/002/002/004  
A004/A126

AUTHORS: Fonarev, S. F., Kul'bakh, A. A., Dzhonson, V. A., Belousova, T. T.

TITLE: Graphitized materials impregnated with epoxy resin

SOURCE: Moscow. Inzhenerno-fizicheskiy institut. Metody ispytaniy detaley mashin i priborov. no. 2, 1962, 16 - 28

TEXT: To produce a new antifriction material, the authors carried out tests in impregnating the MG-1 (MG-1) and AG-1500 (AG-1500) graphitized materials with epoxy resin. It was found that this impregnation increased the mechanical strength of both materials by a factor of approximately 2. The compression strength of the impregnated MG-1 material amounts to  $\sigma_c = 1,090 \text{ kg/cm}^2$ , that of the impregnated grade AG-1500 material to  $\sigma_c = 1,540 \text{ kg/cm}^2$ . The impregnation of the MG-1 and AG-1500 materials with epoxy resin reduces their porosity to such an extent that water and various solutions are no longer absorbed. The impregnation of the MG-1 graphitized material considerably improves its antifriction properties. At sliding speeds from 0.3 to 2.8 m/sec and corresponding specific stresses of 75 - 80 and 12 - 15  $\text{kg/cm}^2$  respectively, the impregnated MG-1 material maintains its anti-friction properties under dry friction conditions with stainless X-18 (Kh-18)

Card 1/2

Graphitized materials impregnated with epoxy resin

S/756/62/000/002/002/004  
A004/A126

steel. The specific wear under the above working conditions does not exceed 3 mg/cm<sup>2</sup>:hour, while the friction coefficient is 0.3. An impregnation with epoxy resin of the AG-1500 graphitized material does not considerably improve its anti-friction properties. The different impregnation methods applied did not greatly affect the antifriction quality of these materials. There are 10 figures.

S/194/62/000/009/028/100  
D201/D308

AUTHOR: Belousova, T. T.

TITLE: Determination of parameters of compensating devices  
of automatic control systems

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika,  
no. 9, 1962, abstract 9-2-104 a (In collection: Me-  
tody ispytaniy detaley i materialov maskin i priborov,  
no. 1, M., Gosatomizdat, 1961, 70-94)

TEXT: The author considers linear automatic control systems, consisting of three or four zero position error links. The transfer function of the compensating section is given by  $T_p/(1 + T_p)$ . The problem of stability of the closed-loop system is solved for various methods of connection of the compensating section. *[Abstracter's note: Complete translation.]* ✓

Card 1/1

FONAREV, S.F.; KUL'BAKH, A.A.; DZHONSON, V.A.; BELOUSOVA, T.T.

Graphitized materials impregnated with epoxy resin. Metod.isp.  
det.mash.i prib. no.2:16-28 '62. (MIRA 16:4)  
(Friction materials)

PR BELOUSOVA, T. Z.

Microbiology 11-C

Relations of acetic acid bacteria to carbon dioxide in  
high-speed production. Z. G. Razumovskaya and T. Z.  
Belousova. (A. A. Zhdanov State Univ., Leningrad).  
*Mikrobiologiya* 21, 413-7(1952).—Cultures of *Bact. schussele-*  
*bacillus* (3 strains from fermenters), in media contg. inorg.  
nutrients and EtOH, lost their capacity for growth when  
deprived of CO<sub>2</sub>. Agar-mash media without EtOH had no  
such effect. Cultures fresh from the fermenters were much  
more sensitive to CO<sub>2</sub> deficiency than after long culturing  
under lab. conditions. Julian F. Smith

BELOUSOVA, V. [Bilousova, V.], kand.fiz.-matem.nauk

O.V.Pogorielov's works in the field of geometry "as a whole".  
Nauka i zhystia 11 no.3:14 Mr '62. (MIRA 15:8)  
(Geometry, Analytic)

MAZUR, D., inzh.; BELOUSOVA, V., inzh.

Improve the control of the electric power stations of enterprises.  
Muk.-elev. prom. 28 no.10:30 0 '62. (MIRA 16:1)

1. Bel'tskiy zavod po obrabotke semyan kukuruzy.  
(Moldavia--Grain elevators)  
(Electric power supply to apparatus)

BILOUROVA, V.A.

Anatomic and experimental studies on Vishnevskii's infiltration anesthesia in gynecologic surgery. Akush. gin. no.6:14-24 Nov-Dec 1953.  
(CLML 25:5)

1. Of Moscow Oblast Scientific-Research Institute of Obstetrics and Gynecology (Director -- O. D. Matapanova; Scientific Supervisor -- Prof. V. P. Mikhaylov).

BULOSOVA, V.A.

Local infiltration anesthesia in internal gynecological surgery.  
Khirurgija no.7:71-75 Jl '54.  
(MLRA 7:10)

1. Iz Oblastnogo nauchno-issledovatel'skogo instituta akusherstva  
i ginekologii (dir. O.D.Matsanova, nauchnyy rukovoditel' prof.  
V.P.Mikhaylov)

(GENITALIA, FEMALE, surgery,  
anesth. local infiltration)

(ANESTHESIA, LOCAL,  
in gyn. surg.)

BELOUSOVA, V. A.

Cand Med Sci - (diss) "Local infiltrational anesthesia according to A. V. Vishnevskiy in obstetrical-gynecological operations. (Clinical and anatomo-experimental studies)." Moscow, 1961.  
18 pp; (Second Moscow State Medical Inst imeni N. I. Pirogov);  
250 copies; price not given; (KL, 5-61 sup, 201)

SIDOROV, N.Ye., prof.; BILOUSOVA, V.I., assistent

Birth trauma in the newborn and measures for its control. Kaz.  
med.shur. 41 no.1:53-56 Ja-F '60. (MIRA 13:6)

1. Iz akushersko-ginekologicheskoy kliniki No.1 (sav. - prof.  
N.Ye. Sidorov) Kazanskogo gosudarstvennogo instituta dlya uso-  
vershenstvovaniya vrachey im. V.I. Lenina.  
(BIRTH INJURIES)

BELOUSOVA, V.I., assistant

Thiamine metabolism in children with rickets and dystrophy. Kaz. med.  
zhur. no.4:51-53 Jl-Ag '61. (MIRA 15:2)

1. 2-ya kafedra pediatrii (zav. - dotsent V.N.Pechnikova) Kazanskogo  
gosudarstvennogo instituta dlya usovershenstvovaniya vrachey imeni  
V.I.Lenina, na baze 6 detskoy bol'nitey (glavnyy vrach - R.F.Kazakova).  
(THIAMINE) (RICKETS) (DYSTROPHY)

VOTYAKOV, V.I.; ZIBITSKER, D.Ye.; LEVIN, M.Sh.; KOROTKEVICH, V.I.; BELOUSOVA,  
V.K.; TERESHONOK, N.G.

The technic of manufacturing dried phenolized antirabies vaccine.  
Vop.virus. 3 no.1:49-50 Ja-F '58. (MIRA 11:4)

1. Belorusskiy institut epidemiologii, mikrobiologii i gigiyeny,  
Minsk.

(RABIES, prevention & control  
dried phenolized vaccine, prep. technic (Rus)

RUBINSHTEIN, B.B.; BELOUSOVA, V.K.; ZHUKOVA, Z.N.; KOLODOVSKIY, V.L.;  
PROKHOROVA, O.M.; SAYKOVSKAYA, V.A.

Smallpox vaccination in the White Russian S.S.R. Zdrav. Bel.  
7 no. 2:38-40 F '61. (MIRA 14:2)

1. Iz Belorusskogo instituta epidemiologii, mikrobiologii i  
gigiyeny (direktor V.I. Votyakov).  
(WHITE RUSSIA—SMALLPOX—PREVENTION)

BELOUSOVA, V.N.

DOZORETS, I.L.; BELOUSOVA, V.N.

Neuro-psychic disorders in acute hepatitis (Botkin's disease).  
Klin.med., Moskva 18 no.10:56-58 Oct 50. (CIML 20:4)

1. Of the Hospital Therapeutic Clinic (Director--Prof. I.M.Lipets),  
North Ossetian Medical Institute.

BELOUSOVA, V. N., Cand of Med Sci -- (diss) "Clinic of rheumatic psychic disturbances." Ordzhonikidze, 1957, 14 pp (Leningrad State Institute for the Advanced Training of Physicians im S. M. Kirov) 200 copies  
(KL, 32-57, 97)

BELOUSOVA, V.N., kand.med.nauk

Neurological symptomatology in vascular psychoses. Trudy  
1-go MMI 21:120-127'63. (MIRA 16:9)

1. Kafedra nevropatologii i psikiatrii (zav. - prof. G.Ya.  
Liberzon) Blagoveshchenskogo meditsinskogo instituta i ka-  
fedra psikiatrii (zav. - prof. V.M.Banshchikov) 1-go Mos-  
kovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.  
(PSYCHOSES) (CEREBROVASCULAR DISEASE)  
(NEUROLOGY)

BELOUSOVA, V.N., kand.med.nauk

Clinical aspects of psychoses in vascular diseases of the  
brain; atherosclerosis and hypertension. Trudy 1-go MMI  
21:29-43'63. (MIRA 16:9)

1. Kafedra nevropatologii i psikiatrii (zav. - prof. G.Ia.  
Liberzon) Blagoveschenskogo meditsinskogo instituta, Ob-  
lastnaya psikhonevrologicheskaya bol'nitsa (glavnnyy vrach  
M.V.Vasil'yeva) i kafedra psikiatrii (zav. - prof. V.M.  
Banshchikov) 1-go Moskovskogo ordena Lenina meditsinskogo  
instituta imeni I.M.Sechenova.  
(PSYCHOSES)  
(CEREBROVASCULAR DISEASE)

MAKAROV, V. A.; KURINA, I. N.; REIMERSKA, V. M.

Conductance of vanadium catalysts in the reaction of oxidation  
of methyl alcohol. Khim. i kat., 6 no. 1; 1961. - 19 p. (ts.)

(MIRA 1P16)

Tomskiy gosudarstvennyy universitet imeni F. D. Ryscheva.

BELOUSOVA, V.N.

Role of arterial pressure and vascular tonus in the pathogenesis of atherosclerotic and hypertonic mental disorders.  
Trudy 1-go MM 34:104-109 '64. (MIRA 18:11)

1. Kafedra nevropatologii i psichiatrii Blagoveshchenskogo meditsinskogo instituta.

BELOUSOVA, V.P., absent.

Surfaces of the second order in an elliptic space. Nauk.zap.Kiev.  
un. 7 no.4:185-188 '48. (MLRA 10:5)  
(Ellipsoids) (Surfaces)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400036-6

BILOUSOVA, V.P. [Bilousova, V.P.]

Polyhedra of negative curvature. Nauk zap. Kyiv. un. 16 no.16:195-201  
'57. (MIRA 13:3)

(Polyhedra)

16(1)

AUTHORS: Belousova, V.P., and Il'in, I.G. SOV/41-11-3-9/16  
TITLE: Boris Yakovlevich Bukreyev (on the Occasion of his 100<sup>th</sup>  
Birthday)  
PERIODICAL: Ukrainskiy matematicheskiy zhurnal, 1959, Vol 11, Nr 3,  
pp 312-314 (USSR)  
ABSTRACT: This is a short biography and appreciation of the pedagogical  
and scientific merits of the oldest Professor of the Kiev  
University. Bukreyev was born on September 6, 1859 in L'gov, in  
1887 he published his magister dissertation and in 1889 his  
doctor dissertation. He wrote numerous textbooks and at present  
he writes the "Non-Euclidean Geometry".  
The authors mention V.P.Yermakov, M.Ye.Vashchenko-Zakharchenko,  
I.I.Rakhmaninov, P.Ye.Rommer, G.K.Suslov, Academician Shaposh-  
nikov, N.I.Akhiyezer, and Ye.Ya.Remez.

Card 1/1

RECD BY [unclear]

Direct from Office of Economic and Social Science - 3% of  
the total foreign exchange available for  
130 1/2.  
(for economic development and research)

PRUDENSKIY, G.A., red.; SOMINSKIY, V.S. otv. red.; BELOUSOVA, V.S.,  
red.; DEVYATOV, G.S., red.; ITAEV, Ye.N., red.; MEKELT,  
S.A., red.; CHERKASOV, G.N., red.; KUPAYEVA, L.A., red.;  
MAZUROVA, A.F., tekhn. red.; VIALYKH, A.M., tekhn. red.

[Potentials of working time in the industries of Siberia] Rezer-  
vy rabochego vremeni v promyshlennosti Sibiri. Pod ob-  
shchel red. G.A.Prudenskogo. Novosibirsk, Izd-vo Sibirskego  
otd-niya AN SSSR, 1961. 221 p. (MIRA 15:8)

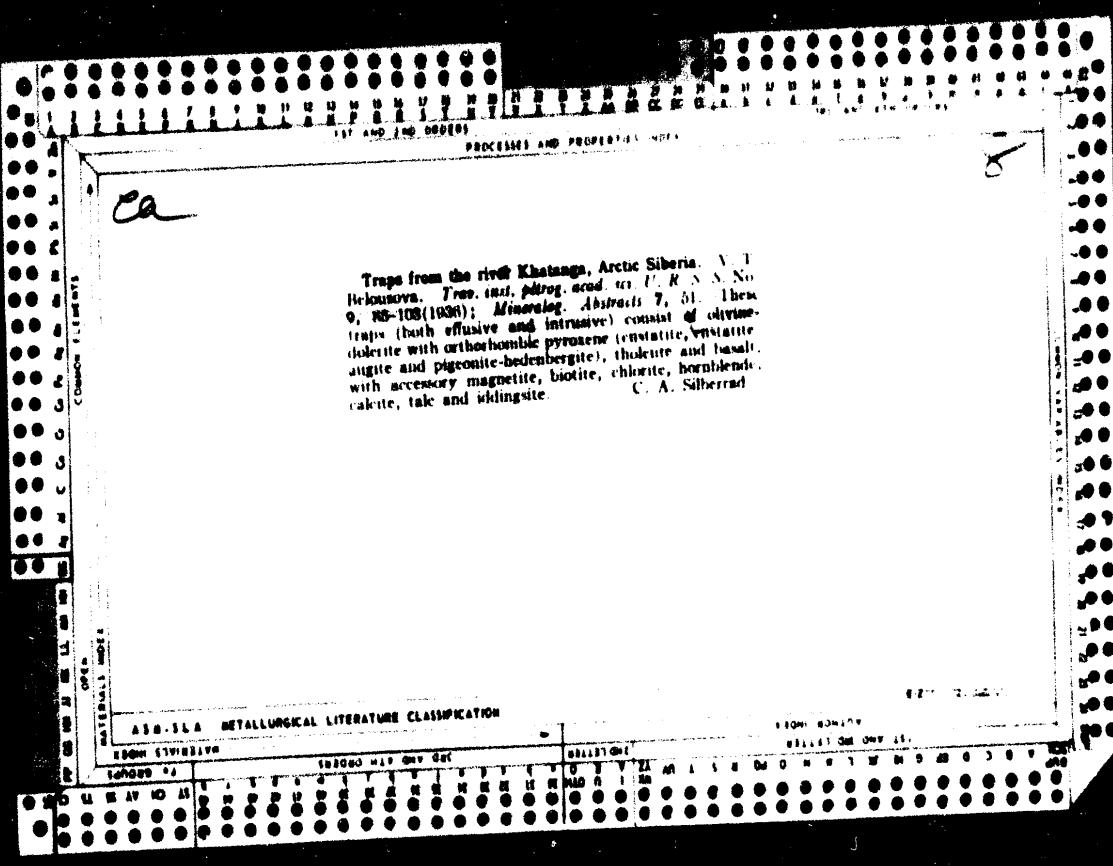
1. Akademiya nauk SSSR. Sibirskoye otdeleniye. Institut ekono-  
miki i organizatsii promyshlennogo proizvodstva.  
(Siberia—Labor productivity)  
(Siberia—Time study)

SOMINSKIY, V.S., doktor ekon. nauk, prof., red.; PATRUSHEV, V.D.,  
ctv. red.; BELOUSOVA, V.S., red.; POTEMLIN, P.I., red.;  
SNITSARENKO, A.A., red.; OVCHINNIKOVA, T.K., tekhn. red.

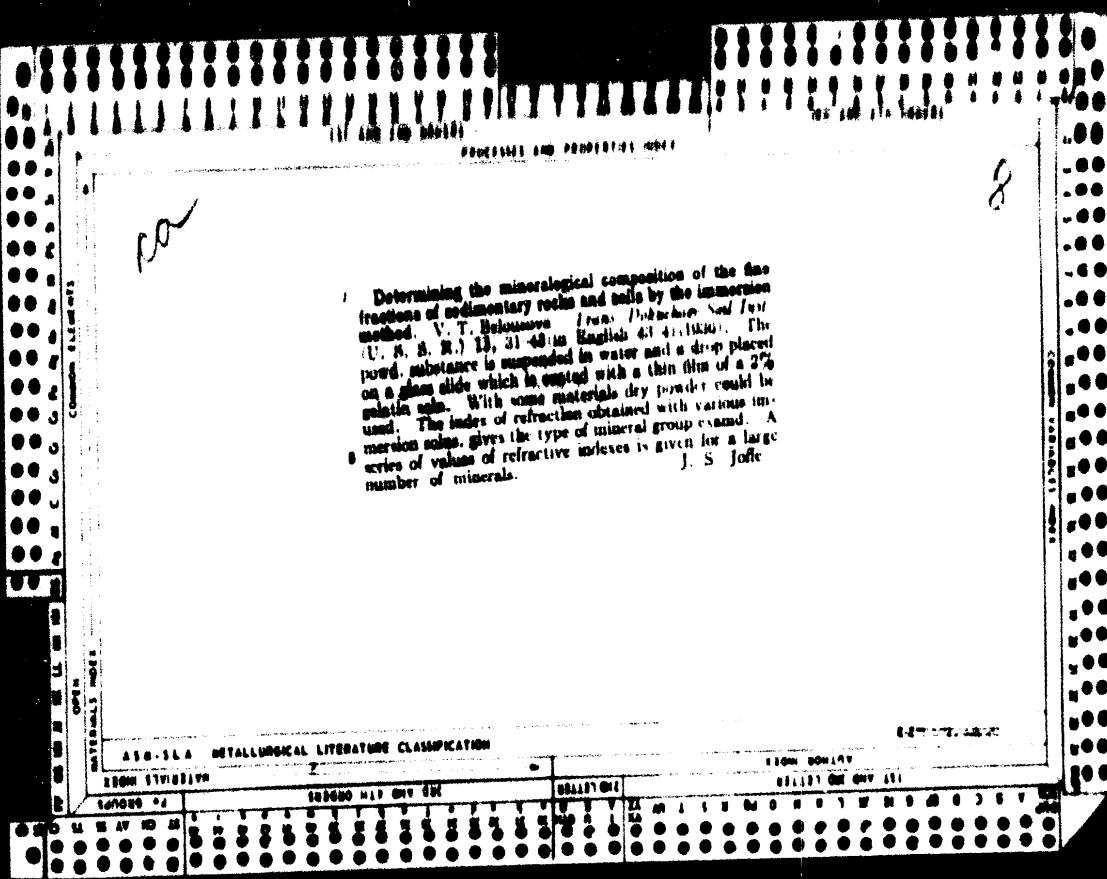
[Economic problems of mastering new enterprises] Ekonomi-  
cheskie voprosy osvoenija novykh predpriatii. Pod obshchei  
red. V.S.Sominskogo. Novosibirsk, Izd-vo Sibirskogo otd-  
nija, 1963. 231 p. (MIRA 16:11)

1. Akademija nauk SSSR. Sibirskye otdeleniye. Institut eko-  
nomiki i organizatsii promyshlennogo proizvodstva.  
(Industrial management)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400036-6



Determining the mineralogical composition of the fine fractions of sedimentary rocks and soils by the immersion method. V. T. Belousova. Trans. Doklady SSSR (U. S. S. R.) 13, 31-40 (in English 41-43 (1960)). The powdered substance is suspended in water and a drop placed on a glass slide which is coated with a thin film of a 2% gelatin solution. With some materials dry powder could be used. The index of refraction obtained with various immersion solvents gives the type of mineral group examined. A series of values of refractive indexes is given for a large number of minerals. J. S. Joffe



B ELOUSSOVA, V. T.

USSR/Geology  
Geological Prospecting

Feb 1947

"The Application of the Correlation Coefficient to the Study of the Paragenesis of Minerals in Terrigenous Sediments," A. B. Vistelius, V. T. Beloussova, All-Union Sci Res Inst Petroleum, Leningrad, 3 pp

"CR Acad Sci" Vol LV, No 4

Studies of paragenesis of minerals in terrigenous deposits reveal importance of relationship between minerals. Suggests employing correlation coefficient "r" as one of the simplest measures of this relationship. Research data supplied by analyses of heavy fractions of samples from Kamen and Yasherian strata of Middle Devonian deposits of Leningrad region. Results prove advantages of analytical methods and value in geological work. Submitted by F. P. Savarenskiy, 6 Jul 1946.

PA 53T37

BELOZOV, V. T.

Belozov, V. T. and Mysov, I. N. "Microscopic observations of plant tissue sections under the microscope", *Botanicheskii zhurnal*, 1951, No. 1, p. 17, (deutsche in Druck).

Sov: U-261, 10 April 52, (Letenka) Zhurnal "Botanicheskii zhurnal", v. 30, No. 1.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400036-6

BRLOUSOVA, V.T.

Microscopic study of organic matter dispersion in rocks. Trudy  
VNIIGRI no.83:550-565 '55. (MIRA 8:10)  
(Geochemistry) (Petroleum geology)

BELOUSOVA, V.T.

137 1957 12 23063

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 12, p 28 (USSR)

AUTHORS: Parfenov, A. M., Belousova, V. T., Gulevitskaya, I. A.

TITLE: Study of the Material Composition of Fluxed Sinters of Magnetite Concentrates and of Ores from the Region of Krivoy Rog (Izuchenie veshchestvennogo sostava oflyuzovannykh aglomeratov iz krivorozhskikh rud i magnetitovykh kantsentratakh)

PERIODICAL: Tr. N.-i. i proyektn. in tashmekhan. obrabotki poleznykh iskopayemykh, 1957, Nr 100, pp 7-28

ABSTRACT: An investigation of the properties of fluxed sinters (S) of varying basicity from the Krivoy Rog hematites and magnetite concentrates (C) (from the KYuGOK) of the following composition respectively (in percent): Fe 61 and 57, FeO 0.8 and 20, SiO<sub>2</sub> 0.8 and 17, Al<sub>2</sub>O<sub>3</sub> 1.0 and 0.9, CaO 1.5 and 0.05, MgO 1.7 and 0.03. Even more than chemically the two substances differed with regard to the size of the particles. Thus, for example, the output of the sizes +3 and 1-0.6 constituted 70 and 22 percent respectively of the ore (O), whereas in the case of the C the output of the small particles of sizes 0.1-0.07 and -0.07, which were entirely absent

Card 1/3

137-1957 12-13063

Study of the Material Composition of Fluxed Sinters (cont.)

in the O, constituted 11 and 43 percent, respectively. The fluxing was accomplished by means of limestone and lime with the moduli of basicity  $(\text{CaO} + \text{MgO}) : (\text{SiO}_2 + \text{Al}_2\text{O}_3)$  being 0.5 and 1.0. The data of these investigations show that without the addition of flux the efficiency of the sintering of the C is one half that of O with identical mechanical properties of S. The increase of efficiency per area sintered (expressed in percent, the moduli of basicity being 0.5-1.0), when limestone was used as flux, was 134 and 137 percent for the O and 181 and 222 percent for C. The addition of lime stone considerably increases the strength of the sinter of the C, whereas the strength of the S of the O remains unaffected by it. No significant differences were found in the mineralogical compositions of the S's of O and C; the only difference between the S with limestone and the S with lime is found in the ratio of the composite substances. A considerable lowering of the temperature in the zones of sintering is observed when limestone is replaced by lime. However, this has the effect of increasing, rather than of decreasing, the strength of the S and thus points to the extensive formation of liquid phases during the process of sintering with lime. The replacement of limestone by lime results in an increase in the production of the plant. The

Card 2/3

137 1957 11-23063

Study of the Material Composition of Fluxed Sinters (cont.)

material composition of fluxed S's is only slightly dependent on the type and the amount of the flux added. The major factor determining the mineralogical composition of S is the chemical mineralogical composition of the raw ore.

A. M.

1. Gross-Sintering
2. Ores-Properties
3. Gran-Fluxed sinters-Determination

Card 3/3

BLOUSOVA, V.T.; GULEVITSKAYA, I.A.

Peculiarities of composition and structure of agglomerates from  
nickel silicate ores. Obog. rud 3 no.1:35-40 '58. (MIRA 11:10)  
(Nickel silicates) (Sintering)

S/081/62/000/002/050/107  
B156/B101

AUTHORS: Titov, V. A., Belousova, V. V.

TITLE: Corrosion of steel in contact with copper

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 2, 1962, 522-524, abstract 2I141 (Sb. "Korroziya i zashchita konstruktsii metallicheskikh materialov". M., Mashgiz., 1961, 230-244)

TEXT: The corrosion rate (CR) of Cu in contact with grades 08 and 40 steel in various media (town water, diesel fuel, gasoline and avtol), also in a 3% solution of NaCl, at  $80 \pm 10^\circ\text{C}$  (except in the case of gasoline, for which the temperature was  $25 \pm 10^\circ\text{C}$ ), is investigated. It is shown that, when the steel is in contact with Cu, its CR is 30 and 100% higher, in town water and the 3% solution of NaCl respectively, than when not in contact with Cu. Contact between Cu and steel in organic media does not increase the CR of the steel, since the media investigated were not electrically conductive. It is pointed out that, in organic media, Cu is less resistant than the steel to corrosion. Research conducted into the endurance of grade 40 steel in a 3% solution of NaCl and in water, with micro- and macro-contact,

Corrosion of steel in contact...

S/081/62/000/102/010/  
B156/B101

Showed that the endurance of the steel is higher, by comparison, with micro-contact than with macro-contact. The ultimate mechanical fatigue strength of 1.0 mm dia. Cu-Fe clad wire is 22 kg/mm<sup>2</sup>, while the specific corrosion fatigue figures in distilled water, town water, and a 3% solution of NaCl are 21.0, 18.5 and 16.5 kg/mm<sup>2</sup> respectively. With macro-contacts, in water and a 3% solution of NaCl steel has a higher CR than with micro-contact. [Abstracter's note: Complete translation] ✓

BELOUSOVA, Ye

BELOUSOVA, Ye., arkhitektor.

Remodeling existing dairy barns. Sel'stroi. 12 no.9;19-23 S '57.

(MIRA 10;10)

(Dairy barns)

BELOUSOVA, Ye. A.

Dissertation: "Investigation of the Quality of the Surface of Steel of Great Hardness After Lathework." Cand Tech Sci, Central Sci Res Inst of Technology and Machine Building, 17 May 54. Vechernyaya Koskva, Moscow, 7 May 54.

SC: SUM 284, 26 Nov 1954

BELOUSOVA, Ye.A.; MALKIN, A.Ya.

Machining of parts coated with stellite. Stan. 1 instr. 24 no. 5:10-13  
My '53.  
(MLRA 6:6)  
(Turning)

BELOUSOVA, Ye.A., inzhener (Moscow)

Investigation of the quality of very hard steel surfaces following turning. [Izd.] LONITOMASH no.34:155-166 '54.  
(Surfaces (Technology)) (MLRA 8:10)

S/121/62/000/003/004/004  
D040/D113

AUTHOR: Belousova, Ye.A.

TITLE: Turning very hard steel

PERIODICAL: Stanki i instrument, no. 3, 1962, 30-32

TEXT: Steel of RC 50-65 hardness was turned at VNII, the IGPZ Plant, the "Borets" Plant, etc., to reveal the best cutting conditions. As a result of experiments which included turning bearing races of ~~УХ15~~ (ShKh15) steel, ~~МХ15Г~~ (ShKh15G) steel, and carburized ~~12XНГ~~ (12Kh15) steel with up to RC 65 hardness, parts of mud pumps of 45 steel heat treated to RC 45-47, and shafts of ~~9ХС~~ (9KhS) and ~~40Х~~ (40Kh) steel of RC 48-56 after heat treatment, recommendations were made for selecting cutting tool material for rough and finish turning, cutting tool angles, feeds and speeds, tables indicating the accepted carbide grades for turning with different speeds, feeds and cutting depths, and tool angles for steel of different hardness, and graphs are included. Chips should be thin (up to 0.15-0.2 mm), feeds high, cutting speeds moderate, and vibration must be eliminated. Cutters with properly selected angles withstand 40-60 min cutting, and the composition of hardened martensitic steel being cut has no perceptible effect on the tool life. The chip flows continually and has a 600-700°C temperature when the cutting conditions are right

Card 1/2

44865

5.11.10

S/081/62/000/024/029/073  
B193/B186

AUTHORS: Belousova, Ye. A., Popov, Yu. N.

TITLE: An attempt to raise the sensitivity and stability of the spectral microdetermination of certain elements

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24, 1962, 222, abstract 24D40 (In collection: Vopr. geokhronol. i geokhimii dokembriya i paleozoya Yuzhn. Urala i vost. chasti Russk. platformy, Ufa, 1961, 155 - 162)

TEXT: Improved sensitivity for qualitative determination of micro-impurities is obtained as compared with published data, also quantitative determinations having good reproducibility at small (0.0005%) concentrations where the factors affecting the stability of the results of analysis have their greatest influence. These achievements are due in the main to: 1) an increase in weight of the sample (due to the greater size of the cavity bored in the electrode, with a volume ~120 mm<sup>3</sup>; 2) use of a stable source of excitation ( $\Delta\Gamma$ -2 (DG-2) generator) and choice of optimal combustion conditions for the sample; 3) mixing of the sample with powdered graphite.  
Card 1/2

f

An attempt to raise the ...

S/081/62/000/024/029/073  
B193/B186

The last increases the sublimation time of volatile impurities and balances the difference in specific weights of different samples, thus enabling the electrode volume to be padded out and the sample pretreatment time to be reduced to about one-third. [Abstracter's note: Complete translation.]

Card 2/2

RELOUSOVA, Ye.M.; BOBROVSKAYA, M.M.; PAVLENKO, N.K.

Reaction of germanium compounds with glycine. Zhur. ob. khim.  
35 no.10:1781-1783 O '65. (MIRA 18:10)

I. Odesskiy gosudarstvennyy universitet imeni I.I. Mechnikova.

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BLOOMINGTON, ILLINOIS

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immediate cancellation of delivery, delivery suspension or limitation  
or delivery (via legal process).

S/081/63/000/001/013/061  
B101/B186

AUTHORS: Belousova, Ye. M., Gvozdeva, S. A.

TITLE: Cryoscopic study of complex formation in the system  
 $\text{CdBr}_2$  - KI -  $\text{H}_2\text{O}$

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 1, 1963, 74, abstract  
1B495 (Nauchn. yezhegodnik. Odesk. un-t. Khim. fak., Odessa,  
no. 2, 1961, 59 - 62)

TEXT: In a cryoscopic study of the system  $\text{CdBr}_2$  - KI -  $\text{H}_2\text{O}$  it was found  
that the compound  $\text{CdBr}_2 \cdot 2\text{KI}$  formed in the solution. The complex compound  
of the composition  $\text{K}_2[\text{CdBr}_2 \cdot \text{I}_2] \cdot 2\text{H}_2\text{O}$  was obtained by a preparative method,  
and its solubility, density, and electrical conductivity were studied.  
[Abstracter's note: Complete translation.]

Card 1/1

BELOUSOVA, Ye. M.; PAVLENKO, N. K.; POLOUN, A. V.

Cryoscopic investigation of complex formation in the systems  
CdCl<sub>2</sub> - KCl - H<sub>2</sub>O, CdCl<sub>2</sub> - KBr - H<sub>2</sub>O and CdBr<sub>2</sub> - KBr - H<sub>2</sub>O.

Nauch. zhurnal Khim. fak. Od. un., no. 1:15-22 (1961).

(M:RA 17:8)

BLOUMA, Ye. M., GVOZDEV, V. I.

Cryoscopic study of complex formed by the *glyceraldehyde-3-phosphate dehydrogenase* from *Escherichia coli* and *Micrococcus luteus*.  
(MERA 07 8)

ABUKUMOVA, Klara [Abakumava, K.], tkachikha, udarnitsa kommunisticheskogo  
truda; KASPEROVICH, A.S. [Kaspyarovich, A.S.], kand.tekhn.nauk;  
MAZAROVA, G.F. [Masarava, H.F.] (Zheludokskiy rayon Grodzenskaya  
oblast'); SHIPKOVA, Ye.. [Shypkova, E.] nauchnyy sotrudnik; BELOUSOVA,  
Ye.S. [Belavusava, L.S.]

What interesting events took place in your life in 1960? Rab.i  
sial. 36 no.12:2 of cover-1.D '60. (MIRA 13:12)

1. Arshanskiy l'nokombinat (for Abukumova). 2. Beloruskiy institut  
zhivotnovodstva g. Zhodino (for Shipkova).  
(White Russia—Women—Employment)

Belousova, Ye. V.

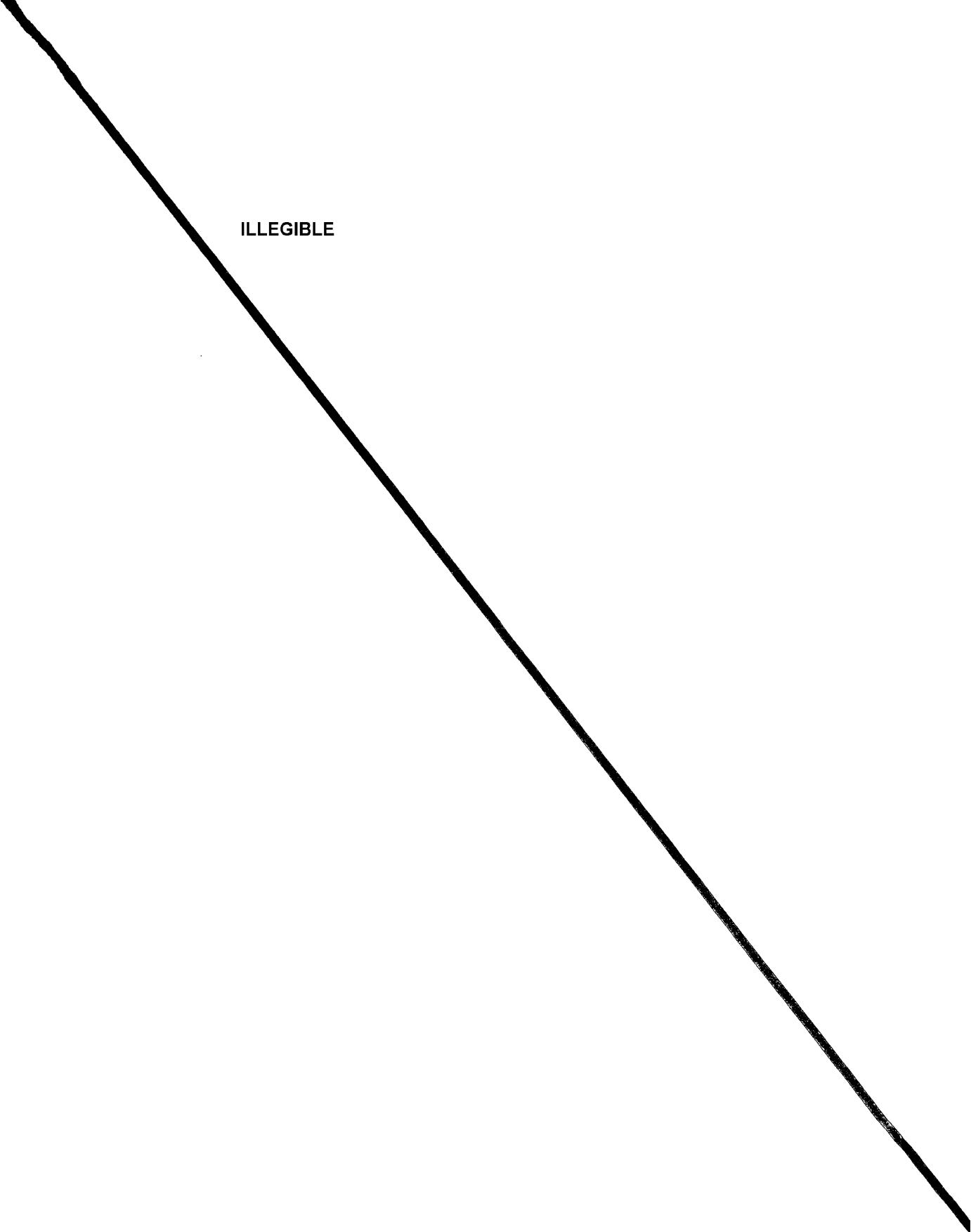
BELOUSOVA, Ye. V. [deceased]; PRIKHOD'KO, Ye. I.

On the history of teaching pediatrics at Kharkov University.  
Pediatriia 35 no.12:67-72 D '57. (MIRA 11:2)

1. Iz kafedry fakul'tetsko-gospital'noy pediatrii (zav. - prof.  
V.A.Belousov) Khar'kovskogo meditsinskogo instituta.  
(KHARKOV--PEDIATRICS--STUDY AND TEACHING)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400036-6

ILLEGIBLE



AUTHORS: Bornatskiy, I.I., Belousova, E.E., and Pavlenko, N.M.,  
(Engineers). 130-5-11/22

TITLE: Increasing the durability of rings for rolling a recurrent shape. (Povysheniye stoykosti kolets dlya prokatki periodicheskogo profilya).

PERIODICAL: "Metallurg" (Metallurgist), 1957, No.5, pp.24 - 25,  
(U.S.S.R.).

ABSTRACT: The adoption of Type 35XГCA steel for making the rings fitted onto rolling-mill rolls for producing recurrent shapes has improved productivity and ring life. The rings were previously made of Type 45 steel. The composition of the newly adopted steel is: 0.36% C, 1.25% Si, 0.87% Mn, 0.022% S, 0.032% P and 1.23% Cr. The steel was melted in a basic electric furnace, the ingots were rolled into 200 x 200 mm square billets and the rings were forged of these latter. The forging was completed at a temperature not lower than 800-850 C and, after slow cooling, annealing and heat treatment was carried out on the rings. To avoid decarburization the rings were heated in boxes with spent carburizer before hardening. There are 2 figs., 1 table.

Card 1/2

ASSOCIATION: Makeevskiy Metallurgical Works (Makeevskiy Metallurgi-

Card 1/2

Increasing the durability of rings for rolling a  
recurrent shape. (Cont) 130-5-11/22  
cheskiy Zavod).

AVAILABLE:

Card 2/2

1. HELCUSOVA, Z. D.
2. USSR (600)
4. Sukhona Valley-Geology, Stratigraphic
7. Report on the strip reconnaissance work on the interfluve of the Sukhona and Unzha Rivers.  
[Abstract.] Izv. Glav. upr. geol. fon. No. 2, 1947
9. Monthly Lists of Russian Accessions, Library of Congress, March 1953, Unclassified.

BELOUSOVA, Z.D.

Ostracod characteristics of Tatarian stage deposits. Trudy VNIGNI  
no.1:226-229 '49.  
(Ostracoda, Fossil) (Geology, Stratigraphic)

Belousova, Z. D.

15-1957-7-9057

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 7,  
p 33 (USSR)

AUTHOR: Belousova, Z. D.

TITLE: Ostracods from Upper Permian Rocks (Ostrakody iz  
razreza verkhnepermeskikh otlozheniy)

PERIODICAL: Tr. Vses. n.-i. geol.-razved. neft. in-ta, 1956,  
vol 7, pp 117-134

ABSTRACT: Fifteen new species of the genus Darwinula are de-  
scribed from the Belebeyevskiy series of the Upper  
Kazanskiy substage: Darwinula aronovae, D. varsano-  
fievae, D. fainae, D. vinocurovi, D. tichenovichi,  
D. serpula, D. alexandrina, D. onega, D. chramovella,  
D. inornatina, D. belebeica, D. tichvinskaja, D. ire-  
nae, D. sentjakensis, and D. edmistonae. The section of  
rocks is presented in layers which range from the lime-  
stones of the Kazanskiy stage to the red Tatarskiy stage,  
exposed at Belebey. The Lower Kasanskiy marine

Card 1/2

15-1957-7-9057

Ostracodes from Upper Permian Rocks (Cont.)

deposits are argillites, siltstones, and argillaceous limestones with brachiopods, pelecypods, and ostracodes. Above these lie red beds in which the Belebeyevskiy series and part of the Lower Tatarskiy formations are differentiated. The Belebeyevskiy series is divided into three units on the basis of the lithology and the quantity of corresponding ostracodes. The group of forms includes all the new species described. The Belebeyevskiy series is considered to be of the same age as the II series of N. G. Kassin, on the basis of the fossil ostracodes Darwinula edmistonae sp. n., D. sentjakensis Schar., and D. serpula sp. n. A bed of siltstones and clays lies on the Belebeyevskiy series, grading in the upper part to marls and limestones of the Tatarskiy stage. Independent groups of ostracodes characteristic of the III series of N. G. Kassin are distinguished. Darwinula triangula sp. n. and Volganella sp. are index fossils. Three tables.

Card 2/2

V. A. Ivanova